## ABSTRACT OF THE DISCLOSURE

A method of embedding data in material comprises the steps of:
embedding data in original material to produce data embedded material;
removing the watermark from the data embedded material to produce
recovered material;

comparing the original and recovered material to determine the differences and locations of differences therebetween; and

storing the said locations and corrections which correct the said differences.

A method of removing the data embedded in the material, comprises the steps

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removing the data from the material to produce recovered material; deriving the said corrections and locations from the said store; and using the corrections to correct the recovered material at the said locations.

A method of embedding data in material, preferably comprises the steps of:

producing transform coefficients Ci representing a spatial frequency transform of the material, and

combining the coefficients Ci with the data bits Ri to produce a modified coefficient Ci' where

the method further comprising determining  $\alpha i$  for each unmodified coefficient Ci as a function  $F\{Cn\}_i$  of a predetermined set  $\{Cn\}_i$  of transform coefficients Cn which set excludes the coefficient Ci.

[Figures 3A, B and 4]